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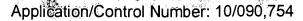


DATE MAILED: 08/04/2003

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/090,754 03/06/2002 Kenichi Tsuchiya 32405R100 441 SMITH, GAMBRELL & RUSSELL, LLP EXAMINER 1850 M STREET, N.W., SUITE 800 WASHINGTON, DC 20036 JOYCE, WILLIAM C PAPER NUMBER **ART UNIT** 3682

Please find below and/or attached an Office communication concerning this application or proceeding.

•		Application No.	Applicant(s)
Office Action Summary		10/090,754	TSUCHIYA ET AL.
		Examiner	Art Unit
	he MAILING DATE of this communication ap,	William C. Joyce	h correspondence address
Period for R		pears on the cov 7 sheet with t	ii correspondence address
THE MA - Extension after SIX - If the peri - If NO peri - Failure to - Any reply	TENED STATUTORY PERIOD FOR REPLILING DATE OF THIS COMMUNICATION. Is of time may be available under the provisions of 37 CFR 1.4 (6) MONTHS from the mailing date of this communication. Od for reply specified above is less than thirty (30) days, a reploid for reply is specified above, the maximum statutory period reply within the set or extended period for reply will, by statute received by the Office later than three months after the mailing that term adjustment. See 37 CFR 1.704(b).	I36(a). In no event, however, may a reply ly within the statutory minimum of thirty (30 will apply and will expire SIX (6) MONTHS e, cause the application to become ABAND	be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).
1)⊠ R	esponsive to communication(s) filed on 16	July 20 <u>03</u> .	
2a)□ T	his action is FINAL . 2b)⊠ TI	nis action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is			
CI Disposition	osed in accordance with the practice under of Claims	Ex paπe Quayle, 1935 C.D. 1	1, 453 O.G. 213.
4)⊠ Cla	aim(s) 1-3 is/are pending in the application		
4a) Of the above claim(s) 3 is/are withdrawn from consideration.			
5)□ Cla	aim(s) is/are allowed.		
6)⊠ Cla	aim(s) <u>1 and 2</u> is/are rejected.		
7)∐ Cla	aim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or election requirement. Application Papers			
9)⊠ The	e specification is objected to by the Examine	er.	
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).			
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.			
If approved, corrected drawings are required in reply to this Office action.			
12) The	e oath or declaration is objected to by the Ex	caminer.	
Priority under 35 U.S.C. §§ 119 and 120			
13)⊠ Ac	knowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 1	19(a)-(d) or (f).
a)⊠ <i>A</i>	All b)☐ Some * c)☐ None of:		
1.[Certified copies of the priority document	ts have been received.	
2.[Certified copies of the priority document	ts have been received in Appli	ication No
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 			
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).			
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.			
Attachment(s)			
2) Notice of	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) Notice of Infor	mary (PTO-413) Paper No(s) mal Patent Application (PTO-152)
J.S. Patent and Traden PTO-326 (Rev. 04)		tion Summary	Part of Paper No. 5



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DETAILED ACTION

This is the First Office Action in response to the Election filed on July 16, 2003.

Election/Restrictions

- 1. Applicant's election without traverse of Group I, Figures 1-2, in Paper No. 4 is acknowledged.
- 2. Claim 3 is withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 4.

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

4. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

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5. The abstract of the disclosure is objected to because it should be limited to a single paragraph. Correction is required. See MPEP § 608.01(b).

Drawings

6. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the at least two pairs of bearings for supporting a pair of drive pinion shafts (claim 1) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

- 7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 8. Claims 1-2 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The limitations "a pair of drive pinion shafts supported in a case via at least two pairs of bearings" (claim 1 lines 3-4) and "a spacer penetrated in said drive pinion shaft" (claim 1, line 6) are not fully understood. Referring to figures 1-2, it appears that the differential unit is formed by a single drive pinion shaft and not

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from a pair of drive pinion shafts. Further, Figure 1 appears to illustrate the drive pinion shaft supported by three bearings and not by two pairs of bearings.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 10. Claims 1-2, as understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Riblet (US Patent 2,019,464).

Riblet illustrates a differential unit having a drive pinion shaft (1) supported by a pair of bearings (9), wherein an annular spacer (27) is disposed about the drive pinion shaft for restricting an installing point of the bearing in the case. Referring to Figure 2, Riblet illustrates the spacer having an inner diameter essentially equal to an outer diameter of the drive pinion shaft, so as to prevent an irregular gap between the spacer and the pinion shaft.

11. Claims 1-2, as understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Watanabe (JP 03-33539).

Watanabe illustrates a differential unit having a drive pinion shaft (6) supported by a pair of bearings (26,36), wherein an annular spacer (38) is disposed about the drive pinion shaft for restricting an installing point of the bearing in the case. Referring

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to Figures 3-6, Watanabe illustrates the spacer having end portions formed with an inner diameter essentially equal to an outer diameter of the drive pinion shaft, so as to prevent an irregular gap between the spacer and the pinion shaft.

12. Claims 1-2, as understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Hagino (JP 08-210472).

Hagino illustrates a differential unit having a drive pinion shaft (12) supported by a pair of bearings (34,36), wherein an annular spacer (38) is disposed about the drive pinion shaft for restricting an installing point of the bearing in the case. Referring to Figures 2-3, Hagino illustrates the spacer having an end portion formed with an inner diameter essentially equal to an outer diameter of the drive pinion shaft, so as to prevent an irregular gap between the spacer and the pinion shaft.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note the spacer of Sasaki (US Patent 4,867,001), Padgett et al. (US Patent Re. 20,149), and Hughes (US Patent 1,956,237).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Joyce whose telephone number is (703) 305-5114. The examiner can normally be reached on Monday - Thursday 7:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bucci can be reached on (703) 308-3668. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9326 for regular communications and (703) 872-9327 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

William C ∕∕Joy July 30, 2003